Mountain Weather Forecast

Lake District National Park

Forecast valid from 06:00 on Tuesday 16 Jan 2024 until 23:59 on Wednesday 17 Jan 2024

Forecast Issued on Tuesday 16 Jan 2024 at 03:32

Confidence: High confidence for overall weather story but moderate for shower detail.

Headline for Tuesday 16 Jan 2024: Rather cloudy with scattered showers turning to more persistent snow for a time.

Mountain weather hazards on Tuesday 16 Jan 2024

Blizzards No Likelihood	**Heavy persistent snow** Low Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** High Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Light snow showers (night)	Heavy snow showers	Heavy snow	Sunny intervals	Light snow showers (night)	Heavy snow showers (night)
Precipitation probability					
40%	70%	70%	30%	60%	40%

Forecast for Tuesday 16 Jan 2024

Weather: Some drier interludes but showers turning heavier through the morning before a band of more persistent snow pushes in from the northwest around midday. This clears south around mid-afternoon but further showers following behind. Snow accumulations of 5-10cm possible during the day. Freezing level lifts during the afternoon giving sleet or rain at lower levels.

Chance of cloud-free hill tops above 800m: 20-30%

Low cloud and visibility: Scattered cloud base 400-600m feeding in from the west during the early hours, becoming broken during the morning, breaking up for a time during the afternoon. Visibility poor or very poor in snow and hill fog, good in drier interludes and at lower levels.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2024. All Rights Reserved.

Met Office Mountain Weather Forecast

Ground Conditions Supplement

Forecast for Tuesday 16 Jan 2024

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	18/21 SW	24/28 S	35/43 SW	30/36 W	25/31 W	30/37 W	29/36 NW
600	12/15 SW	18/23 S	29/37 SW	25/34 W	17/24 W	22/31 W	23/32 NW
300	3/12 SW	4/16 S	11/29 SW	11/26 W	6/19 W	9/25 W	10/26 NW
Valley	1/7 S	2/12 S	12/30 SW	11/27 W	8/21 W	9/23 W	10/25 NW

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-5/-12	-4/-12	-3/-12	-3/-12	-3/-11	-3/-12	-5/-14
600	-3/-9	-2/-9	-1/-9	-1/-8	-1/-8	-1/-8	-2/-10
300	-2/-4	-1/-3	1/-4	1/-3	1/-2	1/-3	-0/-5
Valley	-1/-2	0/-2	3/-1	4/-0	3/1	3/-0	2/-2
Freezing Level*	00m	200m	500m	500m	400m	400m	300m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Feeling very cold, with accumulating snow and poor visibility, leading to difficult walking conditions.

Forecast for Wednesday 17 Jan 2024

Weather: Patchy low cloud with one or two wintry showers during the early hours but this soon clearing to leave a dry and sunny day.

Maximum wind: Northwest 15-20 mph gusting 25 mph during the early hours, soon dropping to 5-10 mph

Chance of cloud-free hill tops above 800m: 30-40% during the early hours, soon increasing to 90%

Low cloud and visibility: Scattered cloud base 500-700m during the early hours, soon clearing. Visibility generally good, poor in any early showers.

Temperature: **Valleys:** Plus 1 falling to minus 5 Celsius
At 800m: Minus 6 to minus 10 Celsius
Freezing level: 400m, soon falling to the surface

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2024. All Rights Reserved.

Mountain Weather Forecast

Date: Monday 15 January 2024 Location: Helvellyn summit at 12:37 Full report: A cold but clear day in the Lakes with moderate winds giving severe windchill (feels-like temperature) even at low and mid-elevations. The ground conditions remain very similar to yesterday albeit with more ice and frozen ground present on paths (especially around drainage lines) due to freezing temperatures down to valley level. A thin cover of snow is present down to approximately 500m with shallow drifts (ankle deep) in some sheltered areas. Small patches of old, hard, and icy snow are present above 800m, particularly on NE-facing slopes, and may be obscured by new snow. Striding and Swirral Edge are both in winter condition and should only be attempted by confident and competent people. An ice axe and crampons/microspikes are strongly advised for these routes and similar steep and exposed routes in the region. Potentially heavy snowfall is expected tomorrow down to low elevations along with upland gales. Anyone heading out should be prepared for very challenging conditions and have suitable equipment and clothing. It's worth noting the windchill was around -18 C today and anyone who stood still for even short periods would get very cold very quickly. Waterproofs (jacket and trousers), extra warm layers, hats and gloves, and a headtorch, map, and compass are all essential. Walking poles and microspikes are very useful even on moderately angled terrain in the current conditions. Goggles may also be an essential piece of kit tomorrow for navigating and route finding in poor conditions. Temperature: minus 7.6 C, Maximum wind speed 25.2 mph, Wind chill: minus 18.3 C, Average wind speed: 15.2 mph

Issued at: 03:32 on Tue 16 Jan 2024

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2024. All Rights Reserved.